

AEROSPACE BADGE

Activity 4:

Think sky high

Visit an airport, an airplane cockpit, a control tower, space center, aerospace museum, or planetarium.

Resources in Kit

- ☆ CD-ROM *Gate to Gate*
- ☆ Lithograph: *Rocketing to the Future–Upgrading the Space Shuttle* (cockpit photo)

In This Section

- ➔ Build a Table Top Airport Activity
- ➔ Plan To Fly There Activity

Suggestions

- ☆ Visit an airport, local space center, aerospace museum, or planetarium. Some local Cleveland places include: NASA Glenn Visitors Center, International Women’s Air and Space Museum, and the planetarium at The Cleveland Museum of Natural History. See the Web Resources for ideas.
- ☆ National security may prohibit visiting airports and government space centers. However, virtual tours are available through the websites below.

Above and Beyond

- ☆ The CD-ROM *Gate to Gate* simulates a trip to an airport as well as a control tower. Be sure to click on the airplanes located around the outside of the radarscope to navigate within the CD.
- ☆ The shuttle cockpit lithograph has an excellent description of the changes made in the shuttle cockpit as improvements have been made. It also describes new

developments. For those who have never seen a cockpit, this is a useful visual aid.

- ☆ Another alternative is to have the troop/group build their own airport model using the Let's Build a Table Top Airport activity using scrap materials. This activity is a lot of fun, especially when followed up with the Plan to Fly There activity, where the girls map out a flight plan and role-play the communication process pilots use.

Web Resources (on yellow paper)

- ☆ www.grc.nasa.gov/Doc/visitgrc.htm

The Glenn Research Center Visitor Center hours of operation and program options are listed here.

- ☆ <http://iwasm.org/>

This is the website for the International Women's Air & Space Museum in Cleveland, OH.

- ☆ www.cmnh.org/info/

This is the Cleveland Museum of Natural History site. They have a planetarium.

- ☆ http://www.chicagoairports.com/midway/about/virtual_tours.shtml

Take a 3-minute virtual tour of Chicago's Midway Airport.

- ☆ http://spaceflight.nasa.gov/gallery/cockpit_tour/

Take a virtual reality tour of the Space Shuttle glass cockpit.

- ☆ <http://spaceflight.nasa.gov/gallery/vtour/index.html>

Take a virtual tour of the International Space Station.

Further Reading

- ☆ *Vectors to Spare: The Life of an Air Traffic Controller* by Milovan Brenlove, 1993

- ☆ *At the Airport: Field Trips Series* by Carol Greene and Phil Martin, 1998.
- ☆ *Guide to Airport Airplanes* by Frank Berk and R William, 1996.